

Regional Water Quality Control Board
North Coast Region
Executive Officer's Summary Report
August 19, 2021

ITEM: 5

SUBJECT: North Coast Basin Plan Map Web Application (Lance Le, Stephanie Aguiar, Emma Sevier)

BOARD ACTION: This is an information item only; no action will be taken by the Regional Board.

BACKGROUND: Basin Planning staff have developed an interactive web mapping tool that allows viewing and querying of spatial data layers. Data are primarily related to the North Coast Basin Plan Beneficial Uses and status of impaired water bodies from the Integrated Report. Additional layers and functions may be selected which provide enhanced utility to staff and the general public.

DISCUSSION: This Information Item will provide context for the Water Quality Control Plan for the North Coast Region (Basin Plan), its current maps, and a demonstration of the North Coast Basin Plan Map Web Application ("web app"). The goal of this Item is to demonstrate for Board Members and the general public a useful manner in which to view information relevant to water quality standards in the North Coast Region. This web app is not a replacement of the Basin Plan, nor does it constitute any change to the Basin Plan; rather this web app can be considered an interactive companion to the Basin Plan.

The Regional Water Board annually partners with the California Conservation Corps and AmeriCorps Watershed Stewards Program (WSP) by hosting two WSP Members. The WSP Members work with staff in the Planning and Watershed Stewardship Division assisting in projects ranging from water quality monitoring to technical work such as developing this web app. WSP Members also provide valuable services to their local community through science education and stream restoration or water conservation projects.

This web app project was a good fit for a WSP Member-supported work effort because the State and Regional Water Boards already possess the information technology (IT) infrastructure needed to support this type of web-based Geographic Information Systems (GIS) application. Many external tools exist in the web GIS space such as Cal Fire's Watershed Mapper for timber operations or the United States Geological Survey National Map for acquiring federal geospatial data. The Region 1 (North Coast) web app, patterned on a similar app created in Region 9 (San Diego), and developed by Region 1 staff and WSP Members, is uniquely designed to display information for the North Coast Region. It includes tools that allow the addition of layers from other web GIS data sources and the generation of printable maps.

Regional Water Board staff is currently working with IT to provide the final information and meta data necessary to publish this tool on the North Coast Region website. Once complete, this web app will be available on the website's Basin Plan. An instructional

tutorial document will accompany the web app to assist users in exploring the various tools and features.

RECOMMENDATION: This item is being presented for informational purposes only. No recommendation is necessary.

SUPPORTING DOCUMENTS: N/A

210819_#5_NCoast Basin Plan Map Web App_EOSR